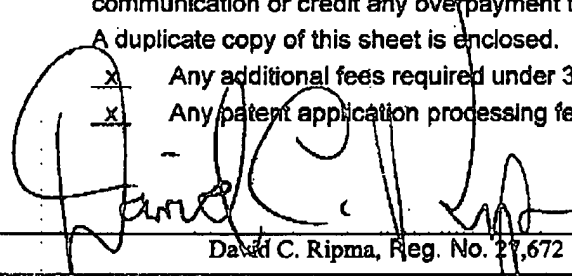
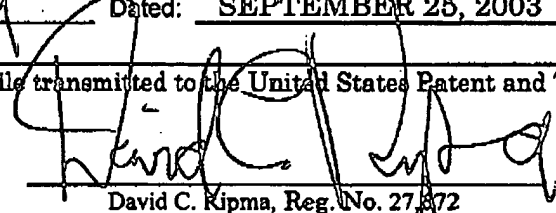


<b>AMENDMENT TRANSMITTAL LETTER (Large Entity)</b> Applicant(s): Wei Pan, J r-shen Maa, David Evans and Sheng Teng Hsu			Docket No. <b>SLA0493</b>										
Serial No 09/820,068	Filing Date March 28, 2001	Examiner Michael K. Luhrs	Group Art Unit 2824										
Invention: Method of Barrier Metal Surface Treatment Prior to Cu Deposition to Improve Adhesion and Trench Filling Characteristics													
<b>TO THE COMMISSIONER FOR PATENTS:</b>  Transmitted herewith is an amendment in the above identified application. The fee has been calculated and is transmitted as shown below.													
<b>CLAIMS AS AMENDED</b>													
	CLAIMS REMAINING AFTER AMENDMENT	HIGHEST # PREV. PAID FOR	NUMBER OF EXTRA CLAIMS PRESENT	RATE	ADDITIONAL FEE								
TOTAL CLAIMS	13 -	20 =	0	x \$18.00	\$0.00								
INDEP. CLAIMS	3 -	3 =	0	x \$84.00	\$0.00								
Multiple Dependent Claims (check if applicable) _____					\$0.00								
<b>TOTAL ADDITIONAL FEE FOR THIS AMENDMENT</b>					<b>\$0.00</b>								
<div style="display: flex; justify-content: space-between;"> <div style="width: 60%;"> <input checked="" type="checkbox"/> No additional fee is required for amendment.  <input type="checkbox"/> Please charge Deposit Account No. 19-1457 in the amount of \$0.00.  <input type="checkbox"/> A duplicate copy of this sheet is enclosed.  <input type="checkbox"/> A check in the amount of _____ to cover the filing fee is enclosed.  <input checked="" type="checkbox"/> The Commissioner is hereby authorized to charge payment of the following fees associated with this communication or credit any overpayment to Deposit Account No. 19-1457.  <input type="checkbox"/> A duplicate copy of this sheet is enclosed.  <input checked="" type="checkbox"/> Any additional fees required under 37 C.F.R. 1.16.  <input checked="" type="checkbox"/> Any patent application processing fees under 37 C.F.R. 1.17.           </div> <div style="width: 35%; text-align: right;">             Dated: <b>SEPTEMBER 25, 2003</b>                David C. Ripma, Reg. No. 27,672           </div> </div>													
I hereby certify that this correspondence is being facsimile transmitted to the United States Patent and Trademark Office under 37 C.F.R. §1.8 at Fax No. (703) 802-9318 on September 25, 2003. <div style="text-align: right; margin-top: 20px;">               David C. Ripma, Reg. No. 27,672         </div>													
Note: Each paper must have its own certificate or transmission, or this certificate must identify each submitted paper. The papers submitted include: <table style="width: 100%; margin-top: 10px;"> <tr> <td style="width: 70%;"><input checked="" type="checkbox"/> This Amendment Transmittal Letter (Duplicate Attached)</td> <td style="text-align: right;">2 page(s)</td> </tr> <tr> <td><input checked="" type="checkbox"/> Responses under 37 CFR § 1.111</td> <td style="text-align: right;">14 page(s)</td> </tr> <tr> <td><input checked="" type="checkbox"/> Attachments</td> <td style="text-align: right;">page(s)</td> </tr> <tr> <td><input checked="" type="checkbox"/> Petition for Extension of Time under 37 C.F.R. § 1.136</td> <td style="text-align: right;">2 page</td> </tr> </table>						<input checked="" type="checkbox"/> This Amendment Transmittal Letter (Duplicate Attached)	2 page(s)	<input checked="" type="checkbox"/> Responses under 37 CFR § 1.111	14 page(s)	<input checked="" type="checkbox"/> Attachments	page(s)	<input checked="" type="checkbox"/> Petition for Extension of Time under 37 C.F.R. § 1.136	2 page
<input checked="" type="checkbox"/> This Amendment Transmittal Letter (Duplicate Attached)	2 page(s)												
<input checked="" type="checkbox"/> Responses under 37 CFR § 1.111	14 page(s)												
<input checked="" type="checkbox"/> Attachments	page(s)												
<input checked="" type="checkbox"/> Petition for Extension of Time under 37 C.F.R. § 1.136	2 page												
<b>Total pages, including this Transmittal: 18</b>													

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SEP 26 2003

#1310

109-03

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of:	)	PATENT APPLICATION
	)	
Inventors: Wei Pan,	)	September 25, 2003
Jer-shen Maa,	)	
David R. Evans,	)	
Sheng Teng Hsu	)	
	)	Attorney Docket No.
Serial No.: 09/820,068	)	SLA0493
	)	
Filed: March 28, 2001	)	
	)	Group Art Unit 2824
Title: METHOD OF BARRIER	)	
METAL SURFACE	)	Examiner: Luhrs, M.
TREATMENT PRIOR	)	
TO Cu DEPOSITION	)	Customer Number 27518
TO IMPROVE ADHESION	)	
AND TRENCH FILLING	)	Confirmation No. 4042
CHARACTERISTICS	)	

## RESPONSE UNDER 37 C.F.R. § 1.111

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Hon. Commissioner for Patents  
Alexandria, VA 22313-1450

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SEP 26 2003

Sir:

In response to the Office Action dated June 5, 2003, Applicants submit the following response:

Please amend the application as follows:

In the Claims:

Please amend claims 9 and 22. The amended claims are shown on the following sheets, pursuant to the amendment practice as specified in 37 C.F.R. section 1.121.